

Schott KG4 Short Pass Filter

Category : Ceramic , Glass , Filter , Optical

Material Notes:

Ionically colored glass. Data provided by the manufacturer, Schott Glas Mainz. Similar glasses include KG2, KG3, KG1, KG5

Order this product through the following link:

http://www.lookpolymers.com/polymer_Schott-KG4-Short-Pass-Filter.php

Physical Properties	Metric	English	Comments
Density	2.53 g/cc	0.0914 lb/in ³	

Thermal Properties	Metric	English	Comments
CTE, linear	5.40 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	3.00 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature -30.0 - 70.0 $\text{Å}^\circ\text{C}$	@Temperature -22.0 - 158 $\text{Å}^\circ\text{F}$	
	6.20 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	3.44 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature 20.0 - 300 $\text{Å}^\circ\text{C}$	@Temperature 68.0 - 572 $\text{Å}^\circ\text{F}$	
Transformation Temperature, Tg	613 $\text{Å}^\circ\text{C}$	1140 $\text{Å}^\circ\text{F}$	

Optical Properties	Metric	English	Comments
Refractive Index	1.51	1.51	He
	@Wavelength 587.6 nm	@Wavelength 587.6 nm	
	1.53	1.53	Hg
	@Wavelength 365 nm	@Wavelength 365 nm	
Transmission, Visible	47 %	47 %	
	@Wavelength 700 nm	@Wavelength 700 nm	
	85 %	85 %	Internal transmittance of 92% from 550-560 nm
	@Wavelength 550 - 560 nm	@Wavelength 550 - 560 nm	
IR Transmittance	77 %	77 %	Internal transmittance of 86% at 710 nm.
	@Wavelength 710 nm	@Wavelength 710 nm	
UV Transmittance	<= 0.60 %	<= 0.60 %	
	@Wavelength 200 - 290 nm	@Wavelength 200 - 290 nm	
	86 %	86 %	

Optical Properties	Metric @ Wavelength 370 - 390 nm	English @ Wavelength 370 - 390 nm	Comments Internal transmittance of 93-94% from 370-390 nm
Reflection Coefficient, Visible (0-1)	0.92	0.92	

Chemical Properties	Metric	English	Comments
Acid Class, SR	2	2	
Alkali Class, AR	3	3	
Stain Resistance Class, FR	0.0	0.0	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China